# UK Patent Application of GB of 2 171 672 A

(43) Application published & Sep 1986

(21) Application No 8595325

(22) Date of Sisso 1 Mar 1985

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ISM INTOX 8650 5/54 71/08

(52) Comestic classification (E-Stion H): 889 111 114 GT NZ . . . UNS 1806 SBP

(56) Documents ched

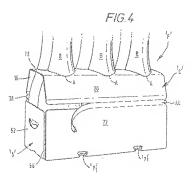
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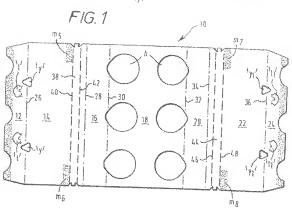
(58) Field of search 382

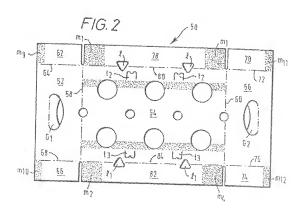
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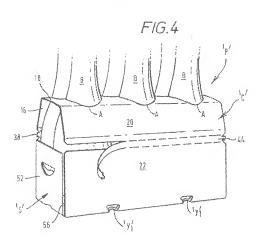
## (5.1) Wrap-around packages

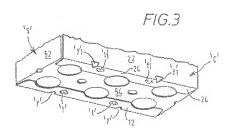
(57) A package (p) corruptises a fray-like base (5) in which for example bottles (B) are accommodated and a separately formed top dover (c) having side wall panels and base panels located in overlapping relationship with the sides and base of the tray-like base. Cut lines define tear strips (38,44) to detach upper portions of the top cover from the tray-like base to open the package such that portions of the side well panels of the top cover and its base panels remain apached to the tray-like base.











#### SPECIFICATION

### Package comprising travbase and top cover

- 5 This invention relates to a package comprising a tray-like base in which produce is accommodated and a top cover having side wall panels and base panels located in overlapping relationship with the pides and base, respectively, of the tray-like base.
- Packages of this kind consisting of a may made from corrugated board with a U-shaped top cover which is connected to the tray by means of gluing to the side of the tray are well known.
- The present invention seaks to reduce the 15 amount of material use for the package to 6 minimum considered with adoptive energials to the los to provide a larger orea of good quality material for better printing and thus more effective advertising. Further, the top-cover and tray base of the package
- 28 are registered with improved accusacy over known constructions and con be secured together by the use of cold glue rather than the more costly hotmolt glue which generally is used.
- One aspect of the invention provides a package comprising a tray-like base in which produce is accommodated and a top cover having elde well panels and base panels located in overlapping relationship with the sides and bose, respectively of the tray-like Usse, means being provided to detach
- 30 upper portions of the top cover from the tray-like base to open the package such that portions of the bide wall panels of the top pover and its base panels remain attached to the tray-like base.
- Another sepect of the invention provides a package comprising a tro-tike base in which product is accommodated and top cover hoving side well panels and base gasels located in overtapping relationship with the sides and base, respectively, of the tray-like base, means being provided for secur-
- 40 ing the base planels of the tray cover to a bortom panel of the tray-like base.
  - An embodiment of the invention will now be described, by way of exemple, with reference to the accompanying drawings, in which:
- 46 Figure I is a plan view of a blank for providing a top cover of the package according to the invention;
- Figure 2 is a plan view of a blank for providing a tray base of the package according to the inven-50 tion;
  - Figure 3 is a perspective view of a lower pan of the complete package as seen from below; and Figure 4 is a perspective view of the complete sections as seen from the of the complete
- package as seen from an end and one side themos.

  Referring firm to rigure 1, there is shown a blank
  to for providing a nor cover of of a package by.
  The blank is formed from an elongate wheat of paperboard of sumfair fullcable sheet material and
  comprises, in settice, it may been ented 12; a first
- (4) Inwer side wall panel 1a, a first upper side wall panel 16; a top panel 18; a second upper side wall panel 20; accord fover side wall panel 22 and a cecord base panel 24 hinged one to the next along transverse fold lines 26, 28, 30, 32, 34 and 36 re-
- 65 spectively.

- The first upper and tower side wall panels are separable from unu another by a tear away strip as religiously transverse out lines 40 and 42, respectively. Likewise, the second upper and tower aim.
- wallk penels are separable from one another by a for-away stilp 44 defined by transverse on lines 45 and 48, respectively.
- Too panel 18 is formed with two parallel rows if similar operatings 'A' fitrough which top portions of anticies e.g. the necks of Jottles 'B' extend when the top cover is applied to the tray base of the
- package.

  The first base panel 12 is provied with a pair of spaced mate locking tabe "t" and similarly the secound base panel 28 also is provided with a pair of mate tecking tabe "(1). Apertures "t" are formed at spaced locations along transparent data least the spaced locations along the spaced location a
- spaced locations along transverse told lines 28 and 36 and are adopted to seedly slightening elements of a packaging machine to aghten the top occur. 86 into its correct position relative to a tray base '5' (Fourse 3 and 4).
- Referring now to Figure 2 of the drawings, the tray base 'S' of the package is formed from an
- elongate blank 69 of foldable street material such 90 as 15-14ub burst. The blank compresses size end wall 52, a bottom panel 54 and a second end wall 56 hinged one to the next along transverse fold lines 99 and 69, resubscityely.
- An end flap is hitiged at one side edge of end wall \$2 along longitudinal fold line \$4 end a similar end flap \$5 is hinged to the opposite side edge of the end well \$2 along longitudinal fold line \$6. Likewise, end flap 70 is along longitudinal fold line \$7.2 and a similar end flap 70 is hinged to the opposite flap \$10 is the opposite flap \$10
- 00 site side edge of the end wall 56 along longitudinal fold line 76. Each of the end walls 52 and 66 is formed with a hand gripping aperture Q1, Q3, respectively to facili-
- ate portage of the package.

  105 A sider find 78 is hinged to one side edge of bottom, panel 54 along longitudinal fold line 80 and a similar side flep 82 is hinged to the opposite side edge of bottom panel 54 along longitudinal fold.
- Ine 84.
  16 A pair of spaced looking apertures defined by retaining tabs '9' is provided in the bottom panel 54 adjacent fold line 80 and a further pair of spaced looking apertures defined by retaining tabs '12' is provided in the bottom panel 54, adjacent fold line.
  - 84. Locating apertures: "I' are provided at spaced locations stong fold line 80 and similar locating apertures." I' are rovided at spaced locations along fold line 84.
    In the first in force the package p, line the tray is
- 170 credent and filled with bosties 8 before entering a up court epiblication. The roy blank this is conveyed by conveyor distincts which ungape countings in the base panel 5A. Gilly elivation may be cold us applied to the undersides of those arress of the blank shown in orthoping in Figure 2. The side flags 78 and 82 are created about fold firms 80 and 84 kpc an unright position, wherether the end waits 52 and 50 are created about fold firms 58 and 80 kpc unplied protifion and 80 pc 20 and 80 kpc updayt protifion and 80 pc 20 and 80 are felding.
- 130 about fold lines 64 and 68 respectively, into over-

tapping retationship with respective ones of the side flaps 78 and 82 so that end flaps 82 and 63 are adhered to external gived areas in and millionapectively.

- 5 With the tray thus exected and loaded with eqbottles, the top cover of is then applied so that neck portions of the bottles are received one in each of the aperture. A. The side walls of the top cover are their folded downwardly into overlapping.
- 10 Jetationship with the side flaps 78 and 82 of the ray base. In so doing, the areas of adapting mbm8 (Figure 1) are adhered to the glated areas mbm12, respectively of the end Reps. The top cover is then tightness by machine elements which enter
- 15 the tightening apertures "c and "f" and the registering apertures "l' and "f" of the tray base. The top cover and tray base are accurately located with respect to one another by the tightening elements so that the top can be interlocked to the base.
- The first and second base panels 12, 24 of the top cover are then folded underneath the trey base into overlapping relationship with the base panel 54, whereupon the areas of stippling [Figure 1] m13 and m14 of the top cover are adhered to the
- 25 glued areas m15, m16, respectively, on the understee of base of base penel 54 as shown in Figure 2. The male tooks 11, 111 are then inturionleed with the regimening looking apertures 12', 13' respectively so that the top court is both glued and looked to
- 30 the tray base as shown in Figures 3 and 4.

  Referring to Figure 4, in order to open the package p, the top panel and upper side wall panels of the top cover are removed by tearing off the tearway strips 38 and 44 incereby apposing the con-
- 35 tents of the package. Thus the lower side walls and base panels of the top cover are left remaining at sached to the tray base.

## CLARAS

- 49
  - A backage comprising a tray-like base in which product as accommodated and a top cover having side wall panels and base ponels located in overlapping relationship with the sides and base.
- 45 respectively of the tray-like base, means being provided to detach upper puritions of the top cover from the tray-like base to open the peckage such that portions of the side wall panels of the top cover and its base panels remain attached to the
- 55 may-like base.

Present in the UK for 1986CT, Destioned, 1781, 710%. Published by The Parent Office, 1) Southampeth Buildings, Lordon, WLZA 1AV, from which exples may be observed.